Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Guadalupe Rubbish Disposal Company
Facility #A3294

Facility Address:
15999 Guadalupe Mines Road
San Jose, CA 95120

Mailing Address:
P.O. Box 20957
San Jose, CA 95160

Responsible Official	Facility Contact
~~James H. Lord~~Paul Michael, District Manager	~~James H. Lord~~Paul Michael
(408) 268-1670	(408) 268-1670

Type of Facility:	Municipal Solid Waste Landfill	BAAQMD Permit Division Contact:
Primary SIC:	4953	Ted Hull, Air Quality Engineer II
Product:	Landfill Operations	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

_____ _____

William C. Norton, Executive Officer/Air Pollution Control Officer Date

TABLE OF CONTENTS

I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through ~~8/27~~6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through ~~2/25~~1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through ~~2/25~~1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through ~~2/25~~1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on ~~5/2/01~~4/16/03).

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on October 1, 2001 and expires on September 30, 2006. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 1, 2006 and no earlier than September 30, 2005. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** September 30, 2006**.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

4. This permit may be modified, revoked, reopened and reissued, or terminated for

I. Standard Conditions

cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee.

I. Standard Conditions

(Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be October 1, 2001 to March 31, 2002. The report shall be submitted by April 30, 2002. Subsequent reports shall be for the following periods: April 1st through September 30th and October 1st through March 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be October 1st to September 30th. The certification shall be submitted by October 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

I. Standard Conditions

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

II. EQUIPMENT

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
S-3	Woodchipper/Tubgrinder	RSI Industrial Tub Grinder	26"x52"	30 tons per hour
S-5	Wood Debris Stockpiles	N/A	N/A	200 tons per hour
S-6	Shredded Wood Storage Stockpiles and Loadout	N/A	N/A	200 tons per hour
S-9	Guadalupe Landfill: (Active Solid Waste Disposal Site with Active Gas Collection System, 85 Vertical Gas Collection Wells)	Municipal Solid Waste	N/A	Max. Design Capacity = 23.43 E6 yd3 Max. Waste In Place = 16.40 E6 tons Max. Waste Acceptance Rate = ~~1,001~~ 3,650 tons/day
S-11	Trommel Screen	Royer, Electric Powered	616MP	65 tons per hour
S-17	Diesel Fired Internal Combustion Engine, 1,099 cu.in. displacement (for S-3 Tubgrinder)	Caterpillar	3408TA	503 HP, 3.82 MMBTU/hr
S-18	Materials Recovery Operation – Debris Sorting System	Various	N/A	280 tons per day
S-19	Dirt Screen	Extec	Turbo	100 tons per hour
S-20	Diesel Fired Internal Combustion Engine (for S-19 Dirt Screen)	Deutz	BF4M1012C	111 HP, 0.53 MMBTU/hr

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-3	Water Spray System	S-3	BAAQMD Regulation 6-301	None	Ringelmann #1, < 3 minutes per hour

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-5	Water Spray- Variable Delivery	S-5	BAAQMD Regulation 6-301	None	Ringelmann #1, < 3 minutes per hour
A-6	Water Spray- Variable Delivery	S-6	BAAQMD Regulation 6-301	None	Ringelmann #1, < 3 minutes per hour
A-9	Enclosed Landfill Gas Flare (2,000 scfm landfill gas, approximately 70 MMBTU/hr)	S-9	BAAQMD Regulation 8-34-301.3, see also Table IV-A	Minimum combustion zone temperature of 1400 °F see also Table VII-A	Either 98% destruction of NMOC or < 30 ppmv NMOC (as CH_4 at 3% O_2, dry)
A-11	Water Spray System	S-11	BAAQMD Regulation 6-301	None	Ringelmann #1, < 3 minutes per hour
A-19	Water Spray System	S-19	BAAQMD Regulation 6-301	None	Ringelmann #1, < 3 minutes per hour

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthes~~i~~es in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors.
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

~~The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.~~The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit.

NOTE:

There are differences between the current BAAQMD rules and the version of the rules in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 5	Open Burning ~~(11/2/94)~~(3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings ~~(12/20/95)~~(11/21/01)	~~Y~~N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)	N
SIP Regulation 8, Rule 4	Organic Compounds – General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations ~~(9/16/98)~~(10/16/02)	~~Y~~N
SIP Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (12/9/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products ~~(12/20/95)~~(7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants - Lead (3/17/82)	~~Y~~N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing ~~(12/4/91)~~(10/7/98)	~~Y~~N
BAAQMD Regulation 11, Rule 3	Hazardous Pollutants - Beryllium (3/17/82)	Y
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants - Asbestos Containing Serpentine (7/17/91)	~~Y~~N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	~~Y~~N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthes~~i~~es in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors.
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit~~. The full language of SIP requirements is included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements.~~ . The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit. All other text may be found in the regulations themselves.

Table IV – A
Source-specific Applicable Requirements
S-3: WOOD CHIPPER/TUB GRINDER AND A-3: WATER SPRAY SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations: Emission Limit Based on Process Weight Rate	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #6385			
Part 1	Hours of Operation [Cumulative Increase]	Y	
Part 2	Records of Operating Hours [Cumulative Increase]	Y	
Part 3	Requirement for Abatement [Regulation 2-1-403]	Y	
Part 4	Visible Emissions – Particulate Fallout Restrictions [Regulations 1-301, 6-301, and 6-305]	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-3: WOOD CHIPPER/TUB GRINDER AND A-3: WATER SPRAY SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Observation of Emissions Source [Regulations 2-1-403, 6-301, and 6-305]	Y	

Table IV - B
Source-specific Applicable Requirements
S-5: WOOD DEBRIS STOCKPILE AND A-5: WATER SPRAY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7649			
Part 1	Hours of Operation [Cumulative Increase]	Y	
Part 2	Records of Operating Hours [Cumulative Increase]	Y	
Part 3	Requirement for Abatement [Regulation 2-1-403]	Y	
Part 4	Observation of Emissions Source [Regulations 2-1-403, 6-301, and 6-305]	Y	

Table IV - C
Source-specific Applicable Requirements
S-6: SHREDDED WOOD STORAGE STOCKPILES AND LOADOUT AND A-6: WATER SPRAY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date

IV. Source-Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-6: Shredded Wood Storage Stockpiles and Loadout and A-6: Water Spray

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7650			
Part 1	Hours of Operation [Cumulative Increase]	Y	
Part 2	Records of Operating Hours [Cumulative Increase]	Y	
Part 3	Requirement for Abatement [Regulation 2-1-403]	Y	
Part 4	Observation of Emissions Source [Regulations 2-1-403, 6-301, and 6-305]	Y	

Table IV – D
Source-specific Applicable Requirements
S-9: Landfill with Gas Collection System
A-9: Landfill Gas Flare

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~**BAAQMD Regulation 1**~~	~~**General Provisions and Definitions (10/7/98)**~~		
~~1-523~~	~~Parametric Monitoring and Recordkeeping Procedures~~	~~Y~~	
~~1-523.1~~	~~Reporting requirement for periods of inoperation > 24 hours~~	~~Y~~	
~~1-523.2~~	~~Limit on duration of inoperation~~	~~Y~~	
~~1-523.3~~	~~Reporting requirement for violations of any applicable limits~~	~~Y~~	
~~1-523.4~~	~~Records of inoperation, tests, calibrations, adjustments, & maintenance~~	~~Y~~	
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523.2	Limit on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
1-523.5	Maintenance and calibration	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation (applies to A-9 only)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations ~~(6/15/94)~~(3/22/95)**		
8-2-301	Miscellaneous Operations (applies to low VOC soil handling and disposal activities only)	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (10/6/99)**		
8-34-113	Limited Exemption, Inspection and Maintenance	~~N~~Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	~~N~~Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-116	Limited Exemption, Well Raising	~~N~~Y	
8-34-116.1	New Fill	~~N~~Y	
8-34-116.2	Limits on Number of Wells Shutdown	~~N~~Y	
8-34-116.3	Shutdown Duration Limit	~~N~~Y	
8-34-116.4	Capping Well Extensions	~~N~~Y	
8-34-116.5	Well Disconnection Records	~~N~~Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-117	Limited Exemption, Gas Collection System Components	~~N~~Y	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	~~N~~Y	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	~~N~~Y	
8-34-117.3	Meets Section 8-34-118 Requirements	~~N~~Y	
8-34-117.4	Limits on Number of Wells Shutdown	~~N~~Y	
8-34-117.5	Shutdown Duration Limit	~~N~~Y	
8-34-117.6	Well Disconnection Records	~~N~~Y	
8-34-118	Limited Exemption, Construction Activities	~~N~~Y	
8-34-118.1	Construction Plan	~~N~~Y	
8-34-118.2	Activity is Required to Maintain Compliance with this Rule	~~N~~Y	
8-34-118.3	Required or Approved by Other Enforcement Agencies	~~N~~Y	
8-34-118.4	Emission Minimization Requirement	~~N~~Y	
8-34-118.5	Excavated Refuse Requirements	~~N~~Y	
8-34-118.6	Covering Requirements for Exposed Refuse	~~N~~Y	
8-34-118.7	Installation Time Limit	~~N~~Y	
8-34-118.8	Capping Required for New Components	~~N~~Y	
8-34-118.9	Construction Activity Records	~~N~~Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	~~N~~Y	
8-34-301.1	Continuous Operation	~~N~~Y	
8-34-301.2	Collection and Control Systems Leak Limitations	~~N~~Y	
8-34-301.3	Limits for Enclosed Flares (applies to A-9 only)	Y	
~~8-34-301.4a~~	~~Energy Recovery Device or Emission Control System Limit~~	~~N~~	~~Expires 7/1/02~~
8-34-301.4~~b~~	Limits for Other Emission Control Systems (Permit Holder shall ensure that Facility # B1669 will comply with this requirement whenever landfill gas is vented to the IC Engines: S-2, S-3, S-4, S-5 at Facility # B1669)	~~N~~Y	~~7/1/02~~
~~8-34-303a~~	~~Landfill Surface Requirements~~	~~Y~~	~~Expires 7/1/02~~
8-34-303b	Landfill Surface Requirements	~~N~~Y	~~7/1/02~~
8-34-304	Gas Collection System Installation Requirements	~~N~~Y	
8-34-304.1	Based on Waste Age For Inactive or Closed Areas	~~N~~Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-304.2	Based on Waste Age For Active Areas	~~N~~Y	
8-34-304.3	Based on Amount of Decomposable Waste Accepted	~~N~~Y	
8-34-305	Wellhead Requirements	~~N~~Y	~~7/1/02~~
8-34-305.1	Operate Under Vacuum	~~N~~Y	~~7/1/02~~
8-34-305.2	Temperature < 55 °C	~~N~~Y	~~7/1/02~~
8-34-305.3	Nitrogen < 20% or	~~N~~Y	~~7/1/02~~
8-34-305.4	Oxygen < 5%	~~N~~Y	~~7/1/02~~
8-34-405	Design Capacity Reports (If Design Capacity is Amended)	~~N~~Y	
~~8-34-407~~	~~Periodic NMOC Emission Rate Reports~~	~~N~~	~~expires 2/12/02~~
8-34-408	Collection and Control System Design Plans	~~N~~Y	
8-34-408.1	Sites With NMOC Emission Rate > 50 Mg/year	~~N~~Y	~~8/12/00~~
8-34-411	Annual Report	~~N~~Y	~~1/1/03~~
8-34-412	Compliance Demonstration Tests	~~N~~Y	~~10/1/02~~
8-34-413	Performance Test Report	~~N~~Y	~~1/1/03~~
8-34-414	Repair Schedule for Wellhead Excesses	~~N~~Y	~~7/1/02~~
8-34-414.1	Records of Excesses	~~N~~Y	~~7/1/02~~
8-34-414.2	Corrective Action	~~N~~Y	~~7/1/02~~
8-34-414.3	Collection System Expansion	~~N~~Y	~~7/1/02~~
8-34-414.4	Operational Due Date for Expansion	~~N~~Y	~~7/1/02~~
8-34-415	Repair Schedule for Surface Leak Excesses	~~N~~Y	~~7/1/02~~
8-34-415.1	Records of Excesses	~~N~~Y	~~7/1/02~~
8-34-415.2	Corrective Action	~~N~~Y	~~7/1/02~~
8-34-415.3	Re-monitor Excess Location Within 10 Days	~~N~~Y	~~7/1/02~~
8-34-415.4	Re-monitor Excess Location Within 1 Month	~~N~~Y	~~7/1/02~~
8-34-415.5	If No More Excesses, No Further Re-Monitoring	~~N~~Y	~~7/1/02~~
8-34-415.6	Additional Corrective Action	~~N~~Y	~~7/1/02~~
8-34-415.7	Re-monitor Second Excess Within 10 days	~~N~~Y	~~7/1/02~~
8-34-415.8	Re-monitor Second Excess Within 1 Month	~~N~~Y	~~7/1/02~~
8-34-415.9	If No More Excesses, No Further Re-monitoring	~~N~~Y	~~7/1/02~~
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	~~N~~Y	~~7/1/02~~
8-34-415.11	Operational Due Date for Expansion	~~N~~Y	~~7/1/02~~

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-416	Cover Repairs	~~N~~Y	
8-34-501	Operating Records	~~N~~Y	
8-34-501.1	Collection System Downtime	~~N~~Y	
8-34-501.2	Emission Control System Downtime	~~N~~Y	
8-34-501.4	Testing	~~N~~Y	
8-34-501.6	Leak Discovery and Repair Records	~~N~~Y	
8-34-501.7	Waste Acceptance Records	~~N~~Y	
8-34-501.8	Non-decomposable Waste Records	~~N~~Y	
8-34-501.9	Wellhead Excesses and Repair Records	~~N~~Y	~~7/1/02~~
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	~~N~~Y	
8-34-501.12	Records Retention for 5 Years	~~N~~Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-505	Well Head Monitoring	~~N~~Y	~~7/1/02~~
8-34-506	Landfill Surface Monitoring	~~N~~Y	~~7/1/02~~
8-34-508	Gas Flow Meter	~~N~~Y	~~7/1/02~~
8-34-510	Cover Integrity Monitoring	~~N~~Y	~~8/1/02~~
~~**SIP Regulation 8, Rule 34**~~	~~**Organic Compounds – Solid Waste Disposal Sites (6/15/94)**~~		
~~8-34-113~~	~~Exemption, Inspection and Maintenance~~	~~Y~~	
~~8-34-113.1~~	~~– Emission Minimization Requirement~~	~~Y~~	
~~8-34-113.2~~	~~– Shutdown Time Limitation~~	~~Y~~[1]	
~~8-34-113.3~~	~~– Recordkeeping Requirement~~	~~Y~~	
~~8-34-301~~	~~Landfill Gas Collection and Emission Control System Requirements~~	~~Y~~	
~~8-34-301.1~~	~~– Collection and Control Systems Leak Limitations~~	~~Y~~	
~~8-34-301.3~~	~~– Energy Recovery Device or Emission Control System Limit~~	~~Y~~[1]	
~~8-34-301.4~~	~~– Continuous Operation~~	~~Y~~	
~~8-34-303~~	~~Landfill Surface Requirement~~	~~Y~~[1]	
~~8-34-501~~	~~Operating Records~~	~~Y~~	
~~8-34-501.1~~	~~– Collection System Downtime~~	~~Y~~	
~~8-34-501.4~~	~~– Records of Testing for Compliance with 8-34-111.3 or 301~~	~~Y~~	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~8-34-501.6~~	~~Records Retention~~	~~Y~~	
~~8-34-503~~	~~Landfill Gas Collection System Testing~~	~~Y~~	
~~8-34-504~~	~~Portable Hydrocarbon Detector~~	~~Y~~	
BAAQMD Regulation 8, Rule 40	**Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)**		
8-40-110	Exemption, Storage Pile	Y	
8-40-112	Exemption, Sampling	Y	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	
8-40-116	Exemption, Small Volume	~~N~~Y	
8-40-116.1	Volume does not exceed 1 cubic yard	~~N~~Y	
8-40-116.2	Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter	~~N~~Y	
8-40-117	Exemption, Accidental Spills	~~N~~Y	
8-40-118	Exemption, Aeration Projects of Limited Impact	~~N~~Y	
8-40-301	Uncontrolled Contaminated Soil Aeration	~~N~~Y	
8-40-304	Active Storage Piles	~~N~~Y	
8-40-305	Inactive Storage Piles	~~N~~Y	
~~**SIP Regulation 8, Rule 40**~~	~~**Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/94)**~~		
~~8-40-110~~	~~Exemption, Storage Pile~~	~~Y~~	
~~8-40-112~~	~~Exemption, Sampling~~	~~Y~~	
~~8-40-113~~	~~Exemption, Non-Volatile Hydrocarbons~~	~~Y~~	
~~8-40-301~~	~~Uncontrolled Aeration~~	~~Y~~[1]	
~~8-40-302~~	~~Controlled Aeration~~	~~Y~~[1]	
~~8-40-303~~	~~Storage Piles~~	~~Y~~[1]	
~~8-40-403~~	~~Reporting, Aeration of Contaminated Soil~~	~~Y~~	
~~8-40-403.1~~	~~Total Quantity of Soil to be Aerated~~	~~Y~~	
~~8-40-403.2~~	~~Quantity of Soil to be Aerated per Day~~	~~Y~~	
~~8-40-403.3~~	~~Average Degree of Contamination or Total Organic Content in Soil~~	~~Y~~	
~~8-40-403.4~~	~~Chemical Composition of Contaminating Organics~~	~~Y~~	
~~8-40-403.5~~	~~Basis for Above Estimations~~	~~Y~~	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations (applies to A-9 only)	Y	
9-1-302	General Emission Limitations (applies to A-9 only)	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (5/4/98)**		
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operation before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart WWW	**Standards of Performance for New Stationary Sources – Standards of Performance for Municipal Solid Waste Landfills (2/24/99)**		

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.752	Standards for Air Emissions from Municipal Solid Waste Landfills	Y	
60.752(b)	Requirements for MSW Landfills with Design Capacity equal to or greater than 2.5 million Mg **and** 2.5 million m^3 (Large Designated Facilities)	Y	
60.752(b)(2)	Comply with all requirements in sections (b)(2)(i through iv)	Y	
60.752 (b)(2)(i)	Submit a Collection and Control System Design Plan	Y	~~8/12/00~~
60.752 (b)(2)(i)(A)	The collection and control system in the Design Plan shall comply with 60.752(b)(2)(ii)	Y	~~8/12/00~~
60.752 (b)(2)(i)(B)	Design Plan shall include all proposed alternatives to 60.753 through 60.758	Y	~~8/12/00~~
60.752 (b)(2)(i)(C)	Design Plan shall conform to 60.759 (active collection system) or demonstrate sufficiency of proposed alternatives	Y	~~8/12/00~~
60.752 (b)(2)(ii)	Install a collection and control system	Y	~~2/12/02~~
60.752 (b)(2)(iii)	Route collected gases to a control system.	Y	~~2/12/02~~
60.752 (b)(2)(iii)(B)	NMOC Control Requirement for Enclosed Combustion Devices	Y	
60.752 (b)(2)(iv)	Operate in accordance with 60.753, 60.755, and 60.756	Y	~~2/12/02~~
60.752(c)	Title V Operating Permit Requirements	Y	
60.752(c)(1)	Subject is June 10, 1996 for Landfills new or modified between May 30, 1991 and March 12, 1996	Y	
60.752(c)(2)	Subject date is 90 days after date of commenced construction or modification for newer landfills	Y	
60.753	Operational Standards for Collection and Control Systems	Y	
60.753(a)	Operate a Collection System in each area or cell in which:	Y	~~2/12/02~~
60.753(a)(1)	Active Cell – solid waste in place for 5 years or more	Y	~~2/12/02~~
60.753(a)(2)	Closed/Final Grade – solid waste in place for 2 years or more	Y	~~2/12/02~~
60.753(b)	Operate each wellhead under negative pressure unless:	Y	~~2/12/02~~
60.753(b)(1)	Fire or increased well temperature or to prevent fire	Y	~~2/12/02~~

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.753(b)(2)	Use of geomembrane or synthetic cover (subject to alternative pressure limits)	Y	~~2/12/02~~
60.753(b)(3)	Decommissioned well after approval received for shut-down	Y	~~2/12/02~~
60.753(c)	Operate each wellhead at < 55 °C, and either < 20% N_2 or < than 5% O_2 (or other approved alternative levels)	Y	~~2/12/02~~
60.753(c)(1)	N_2 determined by Method 3C	Y	~~2/12/02~~
60.753(c)(2)	O_2 determined by 3A and as described in (2)(i-v)	Y	~~2/12/02~~
60.753(d)	Surface Leak Limit is less than 500 ppm methane above background at landfill surface. This section also describes some surface monitoring procedures.	Y	~~2/12/02~~
60.753(e)	Vent all collected gases to a control system complying with 60.752(b)(2)(iii). If collection or control system inoperable, shut down gas mover and close all vents within 1 hour	Y	~~2/12/02~~
60.753(f)	Operate the control system at all times when collected gas is routed to the control system	Y	~~2/12/02~~
60.753(g)	If monitoring demonstrates that 60.753(b), (c), or (d) are not being met, corrective action must be taken	Y	~~2/12/02~~
60.754	Test Methods and Procedures	Y	
60.754(a)	NMOC Calculation Procedures for NMOC Emission Rate Reports and Comparison to 50 Mg/Year Standard	Y	
60.654(a)(1)	Calculate NMOC Emission Rate using either or both of the equations in 60.754(a)(1)(i-ii) with the listed default values	Y	
60.754 (a)(1)(i)	Equation for known year-to-year waste acceptance rate	Y	
60.754 (a)(1)(ii)	Equation for unknown year-to-year waste acceptance rate	Y	
60.754(a)(2)	Tier 1 – compare calculated NMOC emission rate to 50 Mg/year	Y	
60.754 (a)(2)(ii)	If NMOC Emission Rate $\geq$ 50 Mg/year, comply with 60.752(b)(2) or determine a site specific NMOC concentration and follow 60.754(a)(3)	Y	
60.754(c)	For PSD, NMOC emissions shall be calculated using AP-42	Y	
60.754(d)	Test Methods for Performance Test (Method 18 or 25C)	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.755	Compliance Provisions	Y	~~2/12/02~~
60.755(a)	For Gas Collection Systems	Y	
60.755(a)(1)	Calculation Procedures for Maximum Expected Gas Generation Flow Rate	Y	~~2/12/02~~
60.755 (a)(1)(i)	Equation for unknown year-to-year waste acceptance rate	Y	~~2/12/02~~
60.755 (a)(1)(ii)	Equation for known year-to-year waste acceptance rate	Y	~~2/12/02~~
60.755 (a)(1)(iii)	For closed or inactive and full sites with gas collection systems, actual flow rates may be used	Y	~~2/12/02~~
60.755(a)(2)	Vertical wells and horizontal collectors shall be of sufficient density to meet all performance specifications	Y	~~2/12/02~~
60.755(a)(3)	Measure wellhead pressure monthly. If pressure is positive, take corrective action (final corrective action = expand system within 120 days of initial positive pressure reading)	Y	~~2/12/02~~
60.755(a)(4)	Expansion not required during first 180 days after startup.	Y	~~2/12/02~~
60.755(a)(5)	Monitor wellheads monthly for temperature and either nitrogen or oxygen. If readings exceed limits, take corrective action up to expanding system within 120 days of first excess.	Y	~~2/12/02~~
60.755(b)	Wells shall be placed in cells as described in design plan and no later than 60 days after:	Y	~~2/12/02~~
60.755(b)(1)	Five years after initial waste placement in cell, for active cells	Y	~~2/12/02~~
60.755(b)(2)	Two years after initial waste placement in cell, for closed/final grade cells.	Y	~~2/12/02~~
60.755(c)	Procedures for complying with surface methane standard	Y	~~2/12/02~~
60.755(c)(1)	Quarterly monitoring of surface and perimeter	Y	~~2/12/02~~
60.755(c)(2)	Procedure for determining background concentration	Y	~~2/12/02~~
60.755(c)(3)	Method 21 except probe inlet placed 5-10 cm above ground	Y	~~2/12/02~~
60.755(c)(4)	Excess is any reading of 500 ppmv or more. Take corrective action indicated below (i-v).	Y	~~2/12/02~~
60.755 (c)(4)(i)	Mark and record location of excess	Y	~~2/12/02~~

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.755 (c)(4)(ii)	Repair cover or adjust vacuum. Re-monitor within 10 calendar days.	Y	~~2/12/02~~
60.755 (c)(4)(iii)	If still exceeding 500 ppmv, take additional corrective action. Re-monitor within 10 calendar days of 2nd excess.	Y	~~2/12/02~~
60.755 (c)(4)(iv)	Re-monitor within 1 month of initial excess.	Y	~~2/12/02~~
60.755 (c)(4)(v)	For any location with 3 monitored excesses in a quarter, additional collectors (or other approved collection system repairs) shall be operational within 120 days of 1st excess.	Y	~~2/12/02~~
60.755(c)(5)	Monitor cover integrity monthly and repair as needed.	Y	~~2/12/02~~
60.755(d)	Instrumentation and procedures for complying with 60.755(c).	Y	~~2/12/02~~
60.755(d)(1)	Portable analyzer meeting Method 21	Y	~~2/12/02~~
60.755(d)(2)	Calibrated with methane diluted to 500 ppmv in air	Y	~~2/12/02~~
60.755(d)(3)	Use Method 21, Section 4.4 instrument evaluation procedures	Y	~~2/12/02~~
60.755(d)(4)	Calibrate per Method 21, Section 4.2 immediately before monitoring.	Y	~~2/12/02~~
60.755(e)	Provisions apply at all times except during startup, shutdown, or malfunction, provided the duration of these shall not exceed 5 days for collection systems or 1 hour for control systems.	Y	~~2/12/02~~
60.756	Monitoring of Operations	Y	~~2/12/02~~
60.756(a)	For active collection systems, install wellhead sampling port	Y	~~2/12/02~~
60.756(a)(1)	Measure gauge pressure in wellhead on a monthly basis	Y	~~2/12/02~~
60.756(a)(2)	Measure nitrogen or oxygen concentration in wellhead gas on a monthly basis.	Y	~~2/12/02~~
60.756(a)(3)	Measure temperature of wellhead gas on a monthly basis.	Y	~~2/12/02~~
60.756(b)(2)	Device that records flow to or bypass of the control device (i or ii below)	Y	~~2/12/02~~
60.756 (b)(2)(i)	Install, calibrate, and maintain a device that records flow to the control device at least every 15 minutes	Y	~~2/12/02~~
60.756 (b)(2)(ii)	Secure a bypass valve in closed position with a lock-and-key configuration and inspect seal and lock monthly	Y	~~2/12/02~~
60.756(e)	Procedures for requesting alternative monitoring parameters	Y	~~2/12/02~~

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.756(f)	Monitor surface on a quarterly basis. Closed landfills with no monitored excellencies in 3 consecutive quarters may reduce monitoring frequency to an annual basis	Y	~~2/12/02~~
60.757	Reporting Requirements	Y	
60.757(a)	Submit an Initial Design Capacity Report	Y	
60.757(a)(3)	Amended Design Capacity Report required within 90 days of receiving a permitted increase in design capacity or within 90 days of an annual density calculation that results in a design capacity over the thresholds	Y	
60.757(b)	Submit Initial and Annual NMOC Emission Rate Report	Y	
~~60.757(b)(1)~~	~~NMOC Report shall contain annual or 5 year estimate of NMOC emission rate report as calculated per 60.754(a) or (b)~~	~~Y~~	~~expires 2/12/02~~
60.757(b)(3)	Sites with Collection and Control Systems operating in compliance with this subpart are exempt from (b)(1) and (b)(2)	Y	~~2/12/02~~
60.757(c)	Submit a Collection and Control System Design Plan within 1 year of first NMOC emission rate report showing NMOC > 50 MG/year, except as follows	Y	~~8/12/00~~
60.757(f)	Submit Annual Reports containing information required by (f)(1) through (f)(6)	Y	~~8/11/02~~
60.757(f)(1)	Value and length of time for exceedance of parameters monitored per 60.756(a), (b) or (d)	Y	~~8/11/02~~
60.757(f)(2)	Description and duration of all periods when gas is diverted from the control device by a by-pass line	Y	~~8/11/02~~
60.757(f)(3)	Description and duration of all periods when control device was not operating for more than 1 hour	Y	~~8/11/02~~
60.757(f)(4)	All periods when collection system was not operating for more than 5 days.	Y	~~8/11/02~~
60.757(f)(5)	Location of each surface emission excess and all re-monitoring dates and concentrations.	Y	~~8/11/02~~
60.757(f)(6)	Location and installation dates for any wells or collectors added as a result of corrective action for a monitored excess.	Y	~~8/11/02~~
60.757(g)	Initial Performance Test Report Requirements (g)(1-6)	Y	~~8/11/02~~

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.757(g)(1)	Diagram of collection system showing positions of all existing collectors, proposed positions for future collectors, and areas to be excluded from control.	Y	~~8/11/02~~
60.757(g)(2)	Basis for collector positioning to meet sufficient density req.	Y	~~8/11/02~~
60.757(g)(3)	Documentation supporting percentage of asbestos or non-degradable material claims for areas without a collection system.	Y	~~8/11/02~~
60.757(g)(4)	For areas excluded from collection due to non-productivity, calculations and gas generation rates for each non-productive area and the sum for all nonproductive areas.	Y	~~8/11/02~~
60.757(g)(5)	Provisions for increasing gas mover equipment if current system inadequate to handle maximum projected gas flow rate.	Y	~~8/11/02~~
60.757(g)(6)	Provisions for control of off-site migration	Y	~~8/11/02~~
60.758	Recordkeeping Requirements	Y	
60.758(a)	Design Capacity and Waste Acceptance Records (retain 5 years)	Y	
60.758(b)	Collection and Control Equipment Records (retain for life of control equipment except 5 years for monitoring data)	Y	
60.758(b)(1)	Collection System Records	Y	
60.758 (b)(1)(i)	Maximum expected gas generation flow rate	Y	
60.758 (b)(1)(ii)	Density of wells and collectors	Y	
60.758(c)	Records of parameters monitored pursuant to 60.756 and periods of operation when boundaries are exceeded (retain for 5 years)	Y	~~2/12/02~~
60.758(c)(2)	Records of continuous flow to control device or monthly inspection records if seal and lock for bypass valves	Y	~~2/12/02~~
60.758(d)	Plot map showing location of all existing and planned collectors with a unique label for each collector (retain for life of collection system)	Y	
60.758(d)(1)	Installation date and location of all newly installed collectors	Y	
60.758(d)(2)	Records of nature, deposition date, amount, and location of asbestos or non-degradable waste excluded from control	Y	
60.758(e)	Records of any exceedance of 60.753, location of exceedance and re-monitoring dates and data (for wellheads and surface). Retain for 5 years.	Y	~~2/12/02~~

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.759	Specifications for Active Collection Systems	Y	
60.759(a)	Active wells and collectors shall be at sufficient density	Y	
60.759(a)(1)	Collection System in refuse shall be certified by PE to achieve comprehensive control of surface gas emissions	Y	
60.759(a)(2)	Collection Systems (active or passive) outside of refuse shall address migration control	Y	
60.759(a)(3)	All gas producing areas shall be controlled except as described below (i-iii).	Y	
60.759 (a)(3)(i)	Any segregated area of asbestos or non-degradable material only may be excluded, if documented adequately per 60.758(d).	Y	
60.759 (a)(3)(ii)	Any non-productive areas may be excluded from control, provided total NMOC emissions from all excluded areas is < 1% of total NMOC emissions from landfill. Document amount, location, and age of waste and all calculations for each excluded area.	Y	
60.759 (a)(3)(iii)	For calculating NMOC emissions, values for k and concentration of NMOC that have been previously approved shall be used or defaults if no values were approved. All non-degradable wastes that are being subtracted from total wastes for NMOC calculations must be documented adequately.	Y	
60.759(b)	Gas Collection System Components	Y	
60.759(b)(1)	Must be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved material and of suitable dimensions to convey projected gas amounts and withstand settling, traffic, etc.	Y	
60.759(b)(2)	Collectors shall not endanger liner, shall manage condensate and leachate, and shall prevent air intrusion and surface leaks.	Y	
60.759(b)(3)	Header connection assemblies shall include positive closing throttle valve, seals and couplings to prevent leaks, at least one sampling port, and shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved materials.	Y	
60.759(c)	Gas Mover Equipment shall be sized to handle maximum expected gas generation rate over the intended period of use.	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.759(c)(1)	For existing systems, flow data shall be used to project maximum flow rate.	Y	
60.759(c)(2)	For new systems, shall be calculated per 60.755(a)(1)	Y	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)**		
63.4	Prohibited activities and circumvention	Y	1/16/04
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	1/16/04
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	1/16/04
63.6(f)	Compliance with non-opacity emission standards	Y	1/16/04
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	1/16/04
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	1/16/04
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (1/16/03)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	1/16/04
63.1955	What requirements must I meet?	Y	1/16/04
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	1/16/04
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	1/16/04
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6 month compliance reporting requirements	Y	1/16/04
63.1960	How is compliance determined?	Y	1/16/04
63.1965	What is a deviation?	Y	1/16/04
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	1/16/04
63.1980	What records and reports must I keep and submit?	Y	1/16/04

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	1/16/04
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	1/16/04
BAAQMD Condition #6188			
Part 1	Permitted Refuse Capacity [Cumulative Increase, Offsets, Toxic Risk Management]	Y	
Part 2	Number of Authorized Wells in Gas Collection System [Regulations 2-1-301, 8-34-301.1, and 8-34-305]	Y	
Part 3	Landfill Gas Collection System – Continuous Operation [Regulations 8-34-301 and 8-34-305]	Y	
Part 4	Refuse Disposal Records [Cumulative Increase, Regulation 2-6-501, and Regulation 8-34-304]	Y	
Part 45	Prohibition on Uncontrolled Venting of Landfill Gas [Regulation 8-34-301]	Y	
~~Part 5~~	~~Refuse Disposal Records [Cumulative Increase, Regulation 2-6-501, and Regulation 8-34-304]~~	~~Y~~	
Part 6	Continuous Flare Operation [Regulation 8-34-301, 40 CFR 60.752(b)(2)(iii), 60.753(e), and 60.755(e)]	Y	
Part 7	Flare Temperature Monitor/Recorder [Regulation 8-34-501, Regulation 2-6-501, 40 CFR 60.756(b)]	Y	
Part 8	Flare Temperature Limits [Regulation 8-34-301, Toxic Risk Management, 40 CFR 60.758(c)(1)(i)]	Y	
Part 9	NOx Emissions Limit [RACT, Cumulative Increase]	Y	
Part 10	CO Emissions Limit [RACT, Cumulative Increase]	Y	
Part 11	Flare Gas Flow Meter [Cumulative Increase, 40 CFR 60.756(b)]	Y	
Part 12	Flare Alarm and Automatic Controls [Regulation 8-34-301.1]	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-9: Landfill with Gas Collection System
A-9: Landfill Gas Flare

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 13	Flare NMOC Destruction Efficiency Requirements [Regulation 8-34-301.3]	Y	
Part 14	Flare Source Test Requirements [RACT, Cumulative Increase, Regulations 8-34-301.3 and 8-34-412]	Y	
Part ~~6~~15	Dust Control Watering Requirements [~~BACT~~Regulation 2-1-403]	Y	
Part ~~7~~16	Requirement to Keep Paved Roadways Clean [~~BACT~~Regulation 2-1-403]	Y	
Part ~~8~~17	Visible Emissions – Particulate Fallout Restrictions [Regulations 1-301 and 6-301]	Y	
Part ~~9~~18	Site Watering – Road Cleaning Records [~~BACT~~Regulation 2-1-403]	Y	
Part ~~10~~19	VOC Soil Emissions Limit [Regulation 8-2-301]	Y	
Part ~~11~~20	Handling Procedures for Soil Containing Volatile Organic Compounds [Regulations 8-40-301, 8-40-304, and 8-40-305]	Y	
Part ~~12~~21	Reimbursement of District Provided Emission Reduction Credits if POC Emissions Reach 50 tons per year [Offsets]	Y	

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – E
Source-specific Applicable Requirements
S-11: Trommel Screen and A-11: Water Spray System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations: Emission Limit Based on Process Weight Rate	Y	
6-401	Appearance of Emissions	Y	

IV. Source-Specific Applicable Requirements

Table IV – E
Source-specific Applicable Requirements
S-11: TROMMEL SCREEN AND A-11: WATER SPRAY SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #12063			
Part 1	Hours of Operation [Cumulative Increase]	Y	
Part 2	Records of Operating Hours [Cumulative Increase]	Y	
Part 3	Requirement for Abatement [Regulation 2-1-403]	Y	
Part 4	Visible Emissions – Particulate Fallout Restrictions [Regulations 1-301, 6-301, and 6-305]	Y	
Part 5	No Composting of Screened Material [Regulation 2-1-403]	Y	
Part 6	Observation of Emissions Source [Regulations 2-1-403, 6-301, and 6-305]	Y	

Table IV – F
Source-specific Applicable Requirements
S-17: DIESEL I.C. ENGINE FOR TUB GRINDER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-30~~1~~3	Ringelmann No. ~~1~~2 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Condition #16830			
Part 1	Daily Fuel Usage Limit [Cumulative Increase]	Y	

IV. Source-Specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-17: DIESEL I.C. ENGINE FOR TUB GRINDER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Low Sulfur Fuel Requirement, Demonstration of Sulfur Content [Regulation 9-1-304]	Y	
Part 3	Daily Usage, Sulfur Content Records [Cumulative Increase and Regulation 9-1-304]	Y	
Part 4	Observation of Emissions Source [Regulations 2-1-403 and 6-301~~3~~3]	Y	

Table IV – G
Source-specific Applicable Requirements
S-18: MATERIALS RECOVERY OPERATION – DEBRIS SORTING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations: Emission Limit Based on Process Weight Rate	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #18258			
Part 1	Visible Emissions – Particulate Fallout Restrictions [Regulations 1-301, 6-301,and 6-305]	Y	
Part 2	Observation of Emissions Source [Regulations 2-1-403, 6-301, and 6-305]	Y	

Table IV – H
Source-specific Applicable Requirements
S-19: DIRT SCREEN AND A-19: WATER SPRAY SYSTEM

IV. Source-Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations: Emission Limit Based on Process Weight Rate	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #20515			
Part 1	Throughput Limit [Cumulative Increase]	Y	
Part 2	Requirement for Abatement [Regulations 2-1-403, 6-301, and 6-305]	Y	
Part 3	Visible Emissions – Particulate Fallout Restrictions [Regulations 1-301, 6-301,and 6-305]	Y	
Part 4	Observation of Emissions Source [Regulations 2-1-403, 6-301, and 6-305]	Y	
Part 5	Throughput Records [Cumulative Increase]	Y	

Table IV – I
Source-specific Applicable Requirements
S-20: Diesel I.C. Engine for Dirt Screen

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Condition #20516			

IV. Source-Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-20: DIESEL I.C. ENGINE FOR DIRT SCREEN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Daily and Annual Usage Limit [Cumulative Increase]	Y	
Part 2	NOx Emissions Limit [BACT, Cumulative Increase]	Y	
Part 3	PM Emissions Limit [Toxic Risk Management, TBACT]	N	
Part 4	Low Sulfur Fuel Requirement, Demonstration of Sulfur Content [Cumulative Increase]	Y	
Part 5	Source Test Requirements [BACT, TBACT, Cumulative Increase]	Y	
Part 6	Observation of Emissions Source [Regulations 2-1-403 and 6-303]	Y	
Part 7	Usage Records [Toxic Risk Management, Cumulative Increase]	Y	

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

Condition #6188
FOR S-9: LANDFILL WITH GAS COLLECTION SYSTEM

~~1. The Guadalupe Sanitary Landfill S-9 is permitted for a total refuse capacity of 16,400,000 tons, with a maximum refuse acceptance rate of 1,001 tons/day. Prior to increasing the design capacity of the landfill, the owner/operator of this site shall first apply for and receive from the District a modified permit to operate. (basis: Cumulative Increase, Offsets, Toxic Risk Management)~~

1. The Permit Holder shall comply with the following waste acceptance and disposal limits and shall obtain the appropriate New Source Review permit, if one of the following limits is exceeded:
   a. Total waste accepted and placed at the landfill shall not exceed 3,650 tons in any day. (Basis: Regulation 2-1-301)
   b. The total cumulative amount of all waste placed in the landfill shall not exceed 16.4 million tons. Exceedance of the cumulative tonnage limit is not a violation of the permit and does not trigger the requirement to obtain a New Source review permit, if the operator can, within 30 days of the date of discovery of the exceedance, provide documentation to the District demonstrating, in accordance with BAAQMD Regulation 2-1-234.3, that the limit should be higher. (Basis: Regulation 2-1-234.3)

2. The gas collection system at S-9 is currently permitted for ~~85~~51 vertical collection wells and ~~associated piping~~ 10 trench collectors as identified in the Collection and Control System Design Plan ~~required by Regulation 8-34-408~~and Permit Application #8118. Prior to increasing or decreasing the number of landfill gas wells from the authorized total, or significantly changing the locations, depths or lengths of existing wells or collectors, an Authority to Construct shall be obtained from the APCO. (basis: Regulation 2-1-301, Regulation 8-34-301.1, Regulation 8-34-305)

VI. Permit Conditions

3. The landfill gas collection system described in Part 2 above shall be operated continuously. Wells shall not be disconnected or removed from operation nor shall isolation or adjustment valves be closed without written authorization from the District, unless the Permit Holder complies with all applicable requirements of Regulation 8, Rule 34, Sections 113, 116, 117, and 118. (basis: Regulation 8-34-301, Regulation 8-34-305)

4. In order to demonstrate compliance with the above requirements, the S-9 Permit Holder shall maintain the following records:
   a. Monthly records of the quantity of refuse accepted and placed in the landfill.
   b. For areas of the landfill not controlled by a landfill gas collection system, the Permit Holder shall maintain a record of the date that waste was initially placed in the area or cell.
   c. The cumulative amount of waste placed in each uncontrolled area or cell on a monthly basis.
   d. If the Permit Holder plans to exclude an uncontrolled area or cell from the collection system requirement, the types and amounts of all non-decomposable waste placed in the area or cell shall be recorded. If non-decomposable waste makes up less than 100% of the contents of a given cell, that percentage shall be noted.
   e. The initial operation date for each new landfill gas well and collector.
   f. An accurate map of the landfill that indicates the locations of all refuse boundaries and the locations of all wells and collectors as identified in the Collection and Control System Design Plan. Any areas containing only non-decomposable waste shall be clearly identified. This map shall be updated at least every six months to indicate changes in refuse boundaries and to include any newly installed wells and collectors.

   These records shall be kept on-site and be made available for inspection to District personnel upon request for a period of five years from the date on which a record was made. (basis: Cumulative Increase, Regulation 2-6-501, Regulation 8-34-304)

45. All landfill gas collected by the gas collection system for S-9 shall be abated at all times by either the Enclosed Flare A-9 or the adjacent gas recovery and control facility (Gas Recovery Systems, P#11669 or successor operation). Under no circumstances shall raw landfill gas be vented to the atmosphere. This limitation does not apply to unavoidable landfill gas emissions that occur during collection system installation, maintenance, or repair that is performed in compliance with Regulation 8,

VI. Permit Conditions

Rule 34, Sections 113, 116, 117, or 118 or to inadvertent component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303. (basis: ~~Regulation 8-34-301~~ Regulations 8-34-301 and 8-34-303, 40 CFR 60.752(b)(2)(iii), 60.753(e), and 60.755(e))

~~5. In order to demonstrate compliance with the above requirements, the S-9 Permit Holder shall maintain the following records:~~

~~a. Monthly records of the quantity of refuse accepted and placed in the landfill.~~

~~b. For areas of the landfill not controlled by a landfill gas collection system, the Permit Holder shall maintain a record of the date that waste was initially placed in the area or cell.~~

~~c. The cumulative amount of waste placed in each uncontrolled area or cell on a monthly basis.~~

~~d. If the Permit Holder plans to exclude an uncontrolled area or cell from the collection system requirement, the types and amounts of all non-decomposable waste placed in the area or cell shall be recorded. If non-decomposable waste makes up less than 100% of the contents of a given cell, that percentage shall be noted.~~

~~e. The initial operation date for each new landfill gas well and collector.~~

~~f. An accurate map of the landfill that indicates the locations of all refuse boundaries and the locations of all wells and collectors as identified in the Collection and Control System Design Plan. Any areas containing only non-decomposable waste shall be clearly identified. This map shall be updated at least every six months to indicate changes in refuse boundaries and to include any newly installed wells and collectors.~~

~~These records shall be kept on-site and be made available for inspection to District personnel upon request for a period of five years from the date on which a record was made. (basis: Cumulative Increase, Regulation 2-6-501, Regulation 8-34-304)~~

6. The A-9 Flare shall be operated continuously during all times that landfill gas is being vented to the flare. (Basis: Regulation 8-34-301, 40 CFR 60.752(b)(2)(iii), 60.753(e), and 60.755(e))

7. A temperature monitor with readout display and continuous recorder shall be installed and maintained on the flare. One or more thermocouples shall be placed in the primary combustion zone of the flare and shall accurately indicate flue gas temperature at all times. Temperature charts shall be retained for five years and made readily available to District Staff upon request.

VI. Permit Conditions

(Basis: Regulation 8-34-501, Regulation 2-6-501, 40 CFR 60.756(b))

8. The combustion zone temperature of the flare shall be maintained at a minimum temperature of 1450 degrees F, averaged over any 3-hour period. This minimum temperature shall be adjusted via a minor permit revision, if a source test demonstrates compliance with all applicable requirements at a different temperature. The minimum combustion zone temperature for the flare shall be equal to the average combustion zone temperature determined during the most recent complying source test minus 50 degrees F, provided that the minimum combustion zone temperature is not less than 1400 degrees F. (Basis: Regulation 8-34-301, Toxic Risk Management, 40 CFR 60.758(c)(1)(i))

9. NOx emissions from the A-9 flare shall not exceed 16 ppmv of NO_x, expressed as NO_2 at 15% oxygen on a dry basis. (Basis: RACT, Cumulative Increase)

10. CO emissions from the A-9 flare shall not exceed 134 ppmv of CO at 15% oxygen on a dry basis. (Basis: RACT, Cumulative Increase)

11. A flow meter to measure gas flow into the flare shall be installed prior to operation and maintained in good working condition. (Basis: Cumulative Increase, 40 CFR 60.756(b))

12. The flare shall be equipped with both local and remote alarms, automatic combustion air control, and automatic start/restart system. (Basis: Regulation 8-34-301.1)

13. The A-9 Landfill Gas Flare destruction efficiency for total non-methane organic compounds (NMOC) shall not be less than 98% by weight unless the outlet NMOC concentration is less than 30 ppmv, expressed as methane at 3% oxygen on a dry basis. (Basis: Regulation 8-34-301.3)

14. In order, to demonstrate compliance with parts #9, #10, and #13 above, and Regulation 9-1-302, the Permit Holder shall ensure that a District approved source test is conducted annually on the A-9 Landfill Gas Flare. As a minimum, the annual source test shall determine the following:
    a. landfill gas flow rate to the flare (dry basis);
    b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), total hydrocarbons (THC), methane (CH_4), and total non-methane organic compounds (NMOC) in the landfill gas;
    c. stack gas flow rate from the flare (dry basis);
    d. concentrations (dry basis) of NOx, CO, SO_2, THC, CH_4, NMOC, and

VI. Permit Conditions

O_2 in the flare stack gas;

e. NMOC destruction efficiency achieved by the flare; and

f. the average combustion temperature in the flare during the test period. Each annual source test shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and to the Source Test Section within 45 days of the test date. (basis: RACT, Cumulative Increase, Regulations 8-34-301.3 and 8-34-412, Regulation 9-1-302)

~~6~~15. On rainless operating days, water shall be applied as necessary and at least 2 times per full operational day to all unpaved roadways and active soil removal and fill areas associated with this facility to suppress dust emissions. On operating days when rain has fallen in the last 24 hours, water shall be applied as necessary to prevent visible dust emissions. (basis: ~~BACT~~Regulation 2-1-403)

~~7~~16. Paved roadways at the facility shall be kept sufficiently clear of dirt and debris as to prevent visible particulate emissions from vehicle traffic or wind. (basis: ~~BACT~~Regulation 2-1-403)

~~8~~17. Visible dust emissions from any part of the facility shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance. (basis Regulation 6-301, Regulation 1-301)

~~9~~18. In order to demonstrate compliance with parts #~~7~~16 and #~~8~~17, the operator of this facility shall keep records of all site watering and road cleaning activities in a District approved log on a daily basis. These records shall be kept on-site and be made available for inspection to District personnel upon request for a period of five years from the date on which a record was made. (basis: ~~BACT~~Regulation 2-1-403)

~~10~~19. The Permit Holder shall limit the quantity of VOC soil handled per day so that no more than 15 pounds of total carbon could be emitted to the atmosphere per day. VOC soil is any soil that contains volatile organic compounds, as defined in Regulation 8-40-213, at a concentration of 50 ppmw or less. Soil containing more than 50 ppmw of VOC is considered to be "contaminated soil" and is subject to Part ~~11~~ 20 of these conditions. Soil containing only non-volatile hydrocarbons and meeting the

VI. Permit Conditions

requirements of Regulation 8-40-113 is not subject to Parts ~~10~~19 and ~~11~~20 of these conditions. In order to demonstrate compliance with this condition, the Permit Holder shall maintain the following records in a District approved log:

a. Daily records of the amount of VOC soil handled at the landfill. The total amount (in pounds per day) represents Q in the equation in part c of this condition. (see below)

b. Daily records of the VOC content of all soils handled at the landfill. The VOC content (C in the equation below) is expressed as parts per million by weight total carbon.

c. Calculate and record on a daily basis the VOC Emission Rate (E) using the following equation:
E = Q x C / 1,000,000

These records shall be maintained on site or shall be made readily available to District staff upon request for at least 5 years from the date on which a record was made. (basis: Regulation 8-2-301)

*~~11~~20. Handling Procedures for Soil Containing Volatile Organic Compounds

a. The procedures listed below in subparts b-l do not apply if the following criteria are satisfied. However, the record keeping requirements in subpart m, below, are applicable.

i. The Permit Holder has appropriate documentation demonstrating that either the organic content of the soil or the organic concentration above the soil is below the "contaminated" level (as defined in Regulation 8, Rule 40, Sections 205, 207, and 211). The handling of soil containing VOCs in concentrations below the "contaminated" level is subject to Part ~~10~~19 above.

ii. The Permit Holder has no documentation to prove that soil is not contaminated, but source of the soil is known and there is no reason to suspect that the soil might contain organic compounds.

b. The Permit Holder shall provide verbal notification to the Compliance and Enforcement Division of the Permit Holder's intention to accept contaminated soil at the facility at least 24 hours in advance of receiving the contaminated soil. The Permit Holder shall provide an estimate of the amount of contaminated soil to be received, the degree of contamination (range and average VOC Content), and the type or source of contamination.

c. Any soil received at the facility that is known or suspected to contain volatile organic compounds (VOCs) shall be handled as if the soil were contaminated, unless the Permit Holder receives test

VI. Permit Conditions

results proving that the soil is not contaminated. To prove that the soil is not contaminated, the Permit Holder shall collect soil samples in accordance with Regulation 8-40-601 within 24 hours of receipt of the soil by the facility. The organic content of the collected soil samples shall be determined in accordance with Regulation 8-40-602.

i. If these test results indicate that the soil is still contaminated or if the soil was not sampled within 24 hours of receipt by the facility, the Permit Holder must continue to handle the soil in accordance with the procedures set forth in subparts e.-l., below, until the soil has completed treatment or has been placed in a final disposal location and adequately covered. Storing soil in a temporary stockpile or pit is not considered treatment. Co-mingling, blending, or mixing of soil lots is not considered treatment.

ii. If these test results indicate that the soil – as received at the facility – has an organic content of 50 ppmw or less, then the soil may be considered to be not contaminated and need not be handled in accordance with the procedures listed in subparts e.-l. below.

d. Any contaminated soil received at the facility shall be clearly identified as contaminated soil, shall be handled in accordance with subparts e.-l. below, and shall be segregated from non-contaminated soil. Contaminated soil lots may not be co-mingled, blended, or otherwise mixed with non-contaminated soil lots prior to treatment, reuse, or disposal. Mixing soil lots in an attempt to reduce the overall concentration of the contaminated soil or to circumvent any requirements or limits is strictly prohibited.

e. On-site handling of contaminated soil shall be limited to no more than 2 on-site transfers per soil lot. For instance, unloading soil from off-site transport vehicles into a temporary storage pile is 1 transfer. Moving soil from a temporary storage to a staging area is 1 transfer. Moving soil from a temporary storage pile to a final disposal site is 1 transfer. Moving soil from a staging area to a final disposal site is 1 transfer. Therefore, unloading soil from off-site transport into a temporary storage pile and then moving the soil from that temporary storage pile to the final disposal site is allowed. Unloading soil from off-site transport into a staging area and then moving the soil from that staging area to the final disposal site is allowed. However, unloading soil from off-site transport to a temporary storage pile, moving this soil to a staging area, and then moving the soil again to a final disposal site is 3 on-

VI. Permit Conditions

site transfers and is not allowed.

f. If the contaminated soil has an organic content of less than 500 ppmw, the contaminated soil shall be treated, deposited in a final disposal site, or transported off-site for treatment within 90 days of receipt at the facility.

g. If the contaminated soil has an organic content 500 ppmw or more, the contaminated soil shall be treated, deposited in a final disposal site, or transported off-site for treatment within 45 days of receipt at the facility.

h. All active storage piles shall meet the requirements of Regulation 8-40-304 by using water sprays, vapor suppressants or approved coverings to minimize emissions. The exposed surface area of any active storage pile (including the active face at a landfill) shall be limited to 6000 ft^2. The types of storage piles that may become subject to these provisions include (but are not limited to) truck unloading areas, staging areas, temporary stockpiles, soil on conveyors, bulldozers or trucks, the active face of a landfill, or other permanent storage pile at the final disposal location.

i. All inactive storage piles shall meet the requirements of Regulation 8-40-305 including the requirement to cover contaminated soil during periods of inactivity longer than one hour. The types of storage piles that may become subject to these provisions include (but are not limited to) soil on trucks or other on-site equipment, staging areas, temporary stockpiles, and the permanent storage pile at the final disposal location. District approved coverings for inactive storage piles include continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) or encapsulating vapor suppressants (with re-treatment as necessary to prevent emissions).

j. The Permit Holder must:

   i. Keep contaminated soil covered with continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) whenever soil is to be stored in temporary stockpiles or during on-site transport in trucks. Soil in trucks shall not be left uncovered for more than 1 hour.

   ii. Establish a tipping area for contaminated soils near the active face that is isolated from the tipping area for other wastes.

   iii. Spray contaminated soil with water or vapor suppressant immediately after dumping the soil from a truck at the tipping area.

VI. Permit Conditions

iv. Ensure that all contaminated soil is transferred from the tipping area to the active face immediately after spraying with water or vapor suppressant.

v. Ensure that contaminated soil in the tipping area is not disturbed by subsequent trucks. Trucks shall not drive over contaminated soil in the tipping area or track contaminated soil out of the tipping area on their wheels.

vi. Spray contaminated soil on the active face with water or vapor suppressant (to keep the soil visibly moist) until the soil can be covered with an approved covering.

vii. Limit the area of exposed soil on the active face to no more than 6000 ft^2.

viii. Ensure that contaminated soil spread on the active face is completely covered on all sides with one of the following approved coverings: at least 6 inches of clean compacted soil, at least 12 inches of compacted garbage, or at least 12 inches of compacted green waste.

ix. Ensure that covering of soil on the active face is completed within one hour of the time that the soil was first dumped from a truck at the tipping area.

k. Contaminated soil shall not be used as daily, intermediate, or final cover material for landfill waste operations unless the requirements of Regulation 8, Rule 40, Sections 116 or 117 have been satisfied.

l. Contaminated soil is considered to be a decomposable solid waste pursuant to Regulation 8, Rule 34. All contaminated soil disposed of at a site shall be included in any calculations of the amount of decomposable waste in place that are necessary for annual reporting requirements or for purposes of 8-34-111 or 8-34-304.

m. The Permit Holder shall keep the following records for each lot of soil received, in order to demonstrate on-going compliance with the applicable provisions of Regulation 8, Rule 40.

i. For all soil received by the facility (including soil with no known contamination), record the arrival date at the facility, the soil lot number, the amount of soil in the lot, the organic content or organic concentration of the lot (if known), the type of contamination (if any), and keep copies of any test data or other information that documents whether the soil is contaminated (as defined in 8-40-205) or not contaminated, with what, and by how much.

ii. If the soil is tested for organic content after receipt by the facility, record the sampling date, test results, and the date that these results were received.

VI. Permit Conditions

iii. For all on-site handling of contaminated soil, use a checklist or other approved method to demonstrate that appropriate procedures were followed during all on-site handling activities. One checklist shall be completed for each day and for each soil lot (if multiple lots are handled per day).

iv. For soil aerated in accordance with 8-40-116 or 117 record the soil lot number, the amount of soil in the lot, the organic content, the final placement date, the final placement location, and describe how the soil was handled or used on-site.

v. For final disposal at a landfill, record on a daily basis the soil lot number, the amount of soil placed in the landfill, the disposal date, and the disposal location.

All records shall be retained for at least 5 years from the date of entry and shall be made available for District inspection upon request.

[Basis: Regulation 8-40-301, 8-40-304 and 8-40-305]

~~12~~21. In accordance with the provisions of Regulation 2-2-302, should the calculated facility precursor organic compound (POC) emissions ever equal or exceed 50 tons per year, the facility owner/operator shall reimburse the District with emission reduction credits for all POC offsets provided from the District Small Facility Banking Account. (basis: Offsets)

Condition #6385
FOR S-3: WOODCHIPPER/TUBGRINDER

1. Operation of S-3 shall not exceed 12 hours within any consecutive 24-hour period. (basis: Cumulative Increase)

2. A District approved logbook of hours of operation of S-3 shall be maintained on a daily basis. Records shall be kept for a period of five years from the date of entry and shall be made readily available to District staff upon request. (basis: Cumulative Increase)

3. S-3 shall be abated by A-3 water spray during all periods of operation. (basis: Regulation 2-1-403)

VI. Permit Conditions

4. Visible particulate emissions from S-3 shall not exceed Ringelmann 1.0 or result in particulate fallout on adjacent property in such quantities as to cause a public nuisance as per Regulation 1-301. (basis: Regulation 6-301, 6-305, Regulation 1-301)

5. Continuous observation of the Woodchipper/Tubgrinder for visible particulate emissions is required during all periods of operation. If visible emissions are detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulation 6-301, 6-305, Regulation 2-1-403)

Condition #7649
FOR S-5: WOOD DEBRIS STOCKPILES

1. Operation of S-5 shall not exceed 12 hours within any consecutive 24-hour period. (basis: Cumulative Increase)

2. A District approved logbook of hours of operation of S-5 shall be maintained on a daily basis. Records shall be kept for a period of at least five years from the date of entry and shall be made readily available to District staff upon request. (basis: Cumulative Increase)

3. S-5 feed stockpiles and stockpile roadways shall be abated by A-5 water spray at a minimum of 5 gpm as required to minimize particulate emissions. (basis: Regulation 2-1-403)

4. Observation for visible particulate emissions is required each time material to added to or removed from the Wood Debris Stockpiles. If visible emissions are detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulation 6-301, 6-305, Regulation 2-1-403)

Condition #7650
FOR S-6: SHREDDED WOOD STORAGE STOCKPILES AND LOADOUT

1. Operation of S-6 shall not exceed 12 hours in any rolling 24 consecutive hour period. (basis: Cumulative Increase)

2. A District approved logbook of hours of operation of S-6 shall be maintained on a daily basis. Records shall be kept for a period of at least

VI. Permit Conditions

five years from the date of entry and shall be made readily available to District staff upon request. (basis: Cumulative Increase)

3. S-6 shall be abated by A-6 water spray at a minimum of 5 gpm as needed, to minimize particulate emissions. (basis: Regulation 2-1-403)

4. Observation for visible particulate emissions is required each time material to added to or removed from the Shredded Wood Waste Storage Stockpiles. If visible emissions are detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulation 6-301, 6-305, Regulation 2-1-403)

Condition #12063
FOR S-11: TROMMEL SCREEN

1. Operation of this source shall not exceed 12 hours in any 24 consecutive hour period. (basis: Cumulative Increase)

2. A District approved logbook of hours of operation of this source shall be maintained on a daily basis. Records shall be kept for a period of at least five years from the date of entry and shall be made readily available to District staff upon request. (basis: Cumulative Increase)

3. This source shall be abated by water spray as required to minimize particulate matter and visible emissions. (basis: Regulation 2-1-403)

4. Visible emissions from this source shall not exceed Ringelmann 1.0 nor shall it result in fallout on adjacent properties in sufficient quantities as to cause a public nuisance per Regulation 1-301. (basis: Regulation 6-301, 6-305, Regulation 1-301)

5. Screened material from this source shall not be directed to any composting operation at this facility. (basis: Regulation 2-1-403)

6. Continuous observation of the Trommel Screen for visible particulate emissions is required during all periods of operation. If visible emissions are detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulation 6-301, 6-305, Regulation 2-1-403)

VI. Permit Conditions

Condition #16830
FOR S-17: TUB GRINDER DIESEL I.C. ENGINE

1. The total amount of fuel combusted at the Diesel I.C. Engine S-17 shall not exceed 328 gallons per day. (basis: Cumulative Increase)

2. Only low sulfur (<0.5% sulfur by weight) shall be combusted at the Diesel I.C. Engine S-17. The maximum sulfur content of the fuel shall be demonstrated by vendor certification. (basis: Regulation 9-1-304)

3. In order to demonstrate compliance with the above requirements, the operator of S-17 shall keep records of daily usage and the vendor certified sulfur content for the fuels combusted at this source. These records shall be kept on-site and be available for District inspection for a period of five years from the date on which a record was made. (basis: Cumulative Increase, Regulation 9-1-304)

4. The exhaust of the Tubgrinder Engine shall be observed for visible smoke during all periods of operation. If persistent smoke is detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulation 6-30~~1~~3, Regulation 2-1-403)

Condition #18258
FOR S-18: MATERIALS RECOVERY OPERATION

1. Visible particulate emissions from S-18 shall not exceed Ringelmann 1.0 or result in fallout on neighboring property in such quantities as to cause a public nuisance per Regulation 1-301. (basis: Regulations 6-301, 6-305, 1-301)

2. Casual observation by the operators of S-18 for visible particulate emissions is required on an ongoing basis. If visible emissions are detected, the operators shall take the necessary corrective action to stop the emissions. (basis: Regulations 6-301, 6-305, 2-1-403)

Condition #20515
FOR S-19: DIRT SCREEN

1. The total amount of material processed by the Dirt Screen S-19 shall not exceed 107,000 tons in any consecutive 12-month period. (basis:

VI. Permit Conditions

Cumulative Increase)

2. S-19 shall be abated by a wet suppression system (A-19) as necessary to prevent visible dust emissions. (basis: Regulations 2-1-403, 6-301, and 6-305)

3. Visible dust emissions from S-19 shall not exceed Ringelmann 1.0 (equivalent to 20% opacity) for a period or periods aggregating more than 3 minutes in any one hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (basis: Regulations 1-301, 6-301, and 6-305)

4. In order to ensure compliance with part 3, observation for visible particulate emissions is required at all times that S-19 is operating. If visible emissions are detected, the operator shall take the necessary corrective action to stop the emissions. (basis: Regulations 2-1-403, 6-301, and 6-305)

5. In order to demonstrate compliance with part 1, the owner/operator of S-19 shall keep dated records of the amount of material processed at this source in a District approved log. These records shall be totaled on a monthly basis and shall be available for inspection by District personnel for a period of 5 years from the date on which a record is made. (basis: Cumulative Increase)

Condition #20516
FOR S-20: DIESEL IC ENGINE FOR DIRT SCREEN

1. The Dirt Screen Engine S-20 shall not operate for more than 8 hours during any calendar day and no more than 2,080 hours during any consecutive 12-month period. (basis: Cumulative Increase)

2. Emissions of nitrogen oxides (NOx), calculated as NO_2, from S-20 shall not exceed 6.6 grams per brake-horsepower-hour (419 ppmv at 15% oxygen), as determined by the applicable BAAQMD Source Test Method. (basis: BACT, Cumulative Increase)

*3. Emissions of particulate (PM) from S-20 shall not exceed 0.08 grams per brake-horsepower-hour, as determined by the applicable BAAQMD Source Test Method. (basis: Toxic Risk Management, TBACT)

VI. Permit Conditions

4. Only low sulfur fuel (<0.05% sulfur by weight) shall be combusted at S-20. The maximum sulfur content of the fuel shall be demonstrated by vendor certification. (basis: Cumulative Increase)

5. In order to demonstrate compliance with parts #2 and #3, the owner/operator of S-20 shall conduct source testing of the engine to determine the emissions of NOx and PM. An initial source test shall be performed within 30 days of startup, followed by annual source tests thereafter. All source testing shall be performed in accordance with the District's Manual of Procedures. The facility shall obtain prior approval from the District's Source Test Manager for the location of sampling ports and source testing procedures. All source test results shall be delivered to the District within 30 days of the date of the test. The time interval between source testing shall not exceed 12 months. (basis: BACT, TBACT, Cumulative Increase)

6. The exhaust of the Dirt Screen Engine S-20 shall be observed for visible smoke during all periods of operation. If persistent smoke is detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulations 2-1-403 and 6-303)

7. The Permit Holder shall maintain daily and monthly records in a District approved logbook indicating the hours of operation of the engine. These records shall be kept on site and made available for inspection by District personnel for a period of at least 5 years from the date on which a record is made. (basis: Toxic Risk Management, Cumulative Increase)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3: WOOD CHIPPER/TUB GRINDER AND A-3: WATER SPRAY SYSTEM

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 for 3 minutes in any hour	BAAQMD Condition #6385 Part 5	C	Continuous Observation of Source in Operation
Opacity	BAAQMD Condition #6385 Part 4	Y		Ringelmann 1.0	BAAQMD Condition #6385 Part 5	C	Continuous Observation of Source in Operation
Usage	BAAQMD Condition #6385 Part 1	Y		12 hours during any 24 hour period	BAAQMD Condition #6385 Part 2	P/D	Daily Record of Operating Hours
FP	BAAQMD Regulation 6-311	Y		$E = 0.026(P)^{0.67}$ where: E = Allowable Emission Rate (lb/hr); and P = Process Weight Rate (lb/hr) Maximum Allowable Emission Rate = 40 lb/hr For P >57,320 lb/hr	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-5: WOOD DEBRIS STOCKPILE AND A-5: WATER SPRAY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 for 3 minutes in any hour	BAAQMD Condition #7649 Part 4	P/E	Observation of Operations
Usage	BAAQMD Condition #7649 Part 1	Y		12 hours during any 24 hour period	BAAQMD Condition #7649 Part 2	P/D	Daily Record of Operating Hours

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S-6: SHREDDED WOOD STORAGE STOCKPILES AND LOADOUT AND A-6: WATER SPRAY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 for 3 minutes in any hour	BAAQMD Condition #7650 Part 2	P/E	Observation of Operations
Usage	BAAQMD Condition #7650 Part 1	Y		12 hours during any 24 hour period	BAAQMD Condition #7650 Part 2	P/D	Daily Record of Operating Hours

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	BAAQMD 8-34-304.1	~~N~~Y		For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #6188, Part ~~5~~4	P/E	Records
Collection System Installa-tion Dates	BAAQMD 8-34-304.2	~~N~~Y		For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #6188, Part ~~5~~4	P/E	Records
Collection System Installa-tion Dates	BAAQMD 8-34-304.3	~~N~~Y		For Any Uncontrolled Areas or Cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable waste	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #6188, Part ~~5~~4	P/E	Records
Collection System Installa-tion Dates	40 CFR 60.753 (a)(2) and 60.755 (b)(2)	Y	~~2/12/02~~	For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2), and 60.759(a)(3)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	40 CFR 60.753 (a)(1) and 60.755 (b)(1)	Y	~~2/12/02~~	For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2)	P/E	Records
Gas Flow	BAAQMD 8-34-301 and 301.1 and BAAQMD Condition #6188, Parts 3, ~~4~~5	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.1 and BAAQMD Condition #6188, Part ~~5~~4	P/E	Records of Collection System Downtime and Updates to Collection and Control System Design Plan
Gas Flow	BAAQMD 8-34-301 and 301.1	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.10 and 508 ~~(effective 7/1/02)~~	C	Gas Flow Meter and Recorder (every 15 minutes); ~~effective 7/1/02~~
~~Gas Flow~~	~~SIP 8-34-301 and 301.4~~	~~Y~~		~~Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system~~	~~SIP 8-34-501.1~~	~~P/D~~	~~Operating Records~~

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Flow	40 CFR 60.753(a) and (e)	Y	~~2/12/02~~	Operate a Collection System in each area or cell and vent all collected gases to a properly operating control system	40 CFR 60.756(b)(2) (i or ii) and 60.758(c)(2)	C or P/M	Gas Flow Meter and Recorder (every 15 minutes) or Monthly Inspection of Bypass Valve and Lock and Records
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	~~N~~Y		240 hours/year nor 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating Records
~~Collection and Control Systems Shutdown Time~~	~~SIP 8-34-113.2~~	~~Y~~[1]		~~12 hours/calendar month~~	~~SIP 8-34-501.1~~	~~P/D~~	~~Operating Records~~
Collection System Startup Shutdown or Malfunc-tion	40 CFR 60.755(e)	Y	~~2/12/02~~	5 days per event	40 CFR 60.7(b), 60.757(f)(2) and (f)(4)	P/D	Operating Records (all occurrences and duration of each)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
Continuous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors
Wellhead Pressure	BAAQMD 8-34-305.1	~~N~~Y	~~7/1/02~~	< 0 psig	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly Inspection and Records
Wellhead Pressure	40 CFR 60.753(b)	Y	~~2/12/02~~	< 0 psig	40 CFR 60.755(a)(3), 60.756(a)(1), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Temperature of Gas at Wellhead	BAAQMD 8-34-305.2	~~N~~Y	~~7/1/02~~	< 55 ^{o}C	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection and Records
Temperature of Gas at Wellhead	40 CFR 60.753(c)	Y	~~2/12/02~~	< 55 ^{o}C	40 CFR 60.755(a)(5), 60.756(a)(3), and 60.758(c) and (e)	P/M	Monthly Inspection and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Concentrations at Wellhead	BAAQMD 8-34-305.3 or 305.4	~~N~~Y	~~7/1/02~~	$N_2 < 20\%$ **OR** $O_2 < 5\%$	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	P/M	Monthly Inspection and Records
Gas Concentrations at Wellhead	40 CFR 60.753(c)	Y	~~2/12/02~~	$N_2 < 20\%$ **OR** $O_2 < 5\%$	40 CFR 60.755(a)(5), 60.756(a)(2), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Well Shutdown Limits	BAAQMD 8-34-116.2	~~N~~Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-116.3	~~N~~Y		24 hours per well	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.4	~~N~~Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-117.6 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.5	~~N~~Y		24 hours per well	BAAQMD 8-34-117.6 and 501.1	P/D	Records
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-301.2	~~N~~Y		1000 ppmv as methane (component leak limit)	BAAQMD 8-34-501.6 and 503	P/Q	Quarterly Inspection of collection and control system components with OVA and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
~~TOC~~	~~SIP 8-34-301.1~~	~~Y~~		~~1000 ppmv as methane (component leak limit)~~	~~SIP 8-34-503~~	~~P/Q~~	~~Quarterly Inspection with OVA~~
~~TOC~~	~~BAAQMD 8-34-303a~~	~~Y~~	~~Expires 7/1/02~~	~~1000 ppmv as methane at 3 inches above surface~~		~~N~~	
TOC	BAAQMD 8-34-303~~b~~	~~N~~Y	~~7/1/02~~	500 ppmv as methane at 2 inches above surface	BAAQMD 8-34-415, 416, 501.6, 506 and 510	P/M, Q, and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspec-tion Times for Leaking Areas, and Records
~~TOC~~	~~SIP 8-34-303~~	~~Y~~[1]		~~1000 ppmv as methane at 3 inches above surface~~		~~N~~	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	40 CFR 60.753(d)	Y		<500 ppmv as methane at 5-10 cm from surface	40 CFR 60.755(c)(1), (4) and (5), 60.756(f), and 60.758(c) and (e)	P/M, Q and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspec-tion Times for Leaking Areas, and Records
Non-Methane Organic Com-pounds (NMOC)	BAAQMD 8-34-301.3	Y		98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to A-9 only)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 6188, Part 14	P/A	Annual Source Tests and Records
Non-Methane Organic Com-pounds (NMOC)	40 CFR 60.752(b)(2)(iii)(B)	Y		98% removal by weight OR < 20 ppmv, dry basis @ 3% O_2, expressed as hexane (applies to A-9 only)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 6188, Part 14	P/A	Annual Source Tests and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Temperature of Combustion Zone (CT)	BAAQMD Condition # 6188, Part 8	Y		CT > 1400 °F, averaged over any 3-hour period (applies to A-9 only)	BAAQMD 8-34-501.3 and 507, SIP 8-34-501.3 and BAAQMD Condition # 6188, Part 7	C	Temperature Sensor and Recorder (continuous)
Total Carbon	BAAQMD 8-2-301	Y		15 pounds/day or 300 ppm, dry basis only for handling of soil containing ≤ 50 ppmw of volatile organic compounds	BAAQMD Permit Condition #6188, Part ~~10~~19	P/D	Records
Contaminated Soil Limits	BAAQMD Permit Condition #6188, Part ~~11~~20	Y		≤ 50 ppmw organics; or ≤ 50 ppmw TPH as gasoline, ≤ 50 ppmw TPH as diesel, and ≤ 50 ppmw TPH as motor oil; or IBP of all organics ≥ 302 degrees F	BAAQMD Permit Condition #6188, Part~~11~~20.m	P/E	Records of Soil Test Data
Amount of VOC Soil Aerated or Used as Cover	BAAQMD 8-40-116.1	N		1 cubic yard per project	BAAQMD Condition # 6188, Part ~~11~~20.m.	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of VOC Soil Aerated or Used as Cover	BAAQMD 8-40-116.2	N		8 cubic yards per project, provided organic content ≤ 500 ppmw and limited to 1 exempt project per 3 month period	BAAQMD 8-40-116.2 and BAAQMD Condition # 6188, Part ~~11~~20.m.	P/E	Records
Amount of Acci-dental Spillage	BAAQMD 8-40-117	N		Soil Contaminated by Accidental Spillage of ≤ 5 gallons of Liquid Organic Compounds		N	
Total Aeration Project Emissions	BAAQMD 8-40-118	N		150 pounds per project and toxic air contaminant emissions per year <BAAQMD Table 2-1-316 limits	BAAQMD Condition # 6188, Part ~~11~~20.m.	P/E	Records
Amount of VOC Soil Aerated or Used as Cover	BAAQMD 8-40-301 and BAAQMD Condition #6188, Part ~~11~~20.k.	N		Prohibited for Soil with Organic Content >50 ppmw unless exempt per BAAQMD 8-40-116, 117, or 118	BAAQMD Condition # 6188, Part ~~11~~20.m.	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of VOC Soil Aerated or Used as Cover	SIP 8-40-301	Y[1]		Organic Content ppmw / Amount yd^3/day 50-99 / 600 100-499 / 120 500-999 / 60 1000-1999 / 30 2000-2999 / 15 3000-3999 / 10 4000-4999 / 8 5000+ / 0.1	BAAQMD Condition # 6188, Part ~~11~~20.m.	P/E	Records
Contaminated Soil Handling	BAAQMD Condition #6188, Part ~~11~~20.e.	N		Limited to 2 on-site transfers per lot of contaminated soil	BAAQMD Condition # 6188, Part ~~11~~20.m.	P/E	Records
Contaminated Soil On-Site Storage Time	BAAQMD Condition #6188, Part ~~11~~20.f.-g.	N		If organic content is: < 500 ppmw, storage time ≤ 90 days; If organic content is: ≥ 500 ppmw, storage time ≤ 45 days	BAAQMD Condition # 6188, Part ~~11~~20.m.	P/E	Records
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for 3 minutes in any hour (applies to S-9)	BAAQMD Permit Condition #6188, Part ~~9~~18	P/D	Records of Site Watering and Road Cleaning
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for 3 minutes in any hour (applies to A-9)	None	N	N/A
FP	BAAQMD 6-310	Y		< 0.15 grains/dscf (applies to A-9 only)	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: < 0.5 ppm for 3 minutes and < 0.25 ppm for 60 min. and <0.05 ppm for 24 hours (applies to A-9 only)	None	N	N/A
SO_2	BAAQMD 9-1-302	Y		< 300 ppm (dry basis) (applies to A-9 only)	BAAQMD Condition # 6188, Part 14	P/A	Annual Source Test
NOx	BAAQMD Condition #6188, Part 9	Y		< 16 ppm (as NO_2 @ 15% O_2, dry basis) (applies to A-9 only)	BAAQMD Condition # 6188, Part 14	P/A	Annual Source Test
CO	BAAQMD Condition #6188, Part 10	Y		< 134 ppm (@ 15% O_2, dry basis) (applies to A-9 only)	BAAQMD Condition # 6188, Part 14	P/A	Annual Source Test
Site Watering	BAAQMD Condition #6188, Part ~~6~~15	Y		Site Watering: 2 times daily; all unpaved roads and active soil removal and fill areas (rainless operating days only)	BAAQMD Condition #6188, Part ~~9~~18	P/D	Records
Road Cleaning	BAAQMD Condition #6188, Part ~~7~~16	Y		Paved Road Cleaning: (as necessary)	BAAQMD Condition #6188, Part ~~9~~18	P/D	Records
H_2S	BAAQMD 9-2-301	N		Property Line ground level limits ≤ 0.06 ppm Averaged over 3 minutes and ≤ 0.03 ppm Averaged over 60 minutes	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-9: LANDFILL WITH GAS COLLECTION SYSTEM
A-9: LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Startup Shutdown or Mal-function Pro-cedures	40 CFR 63.6(e)	Y	1/16/04	Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S-11: TROMMEL SCREEN AND A-11: WATER SPRAY SYSTEM

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 for 3 minutes in any hour	BAAQMD Condition #12063 Part 6	C	Continuous Observation of Source in Operation
Opacity	BAAQMD Condition #12063 Part 4	Y		Ringelmann 1.0	BAAQMD Condition #12063 Part 6	C	Continuous Observation of Source in Operation
FP	BAAQMD Regulation 6-311	Y		$E = 0.026(P)^{0.67}$ where: E = Allowable Emission Rate (lb/hr); and P = Process Weight Rate (lb/hr) Maximum Allowable Emission Rate = 40 lb/hr for P >57,320 lb/hr	None	N	N/A
Usage	BAAQMD Condition #12063 Part 1	Y		12 hours during any 24 hour period	BAAQMD Condition #12063 Part 2	P/D	Daily Record of Operating Hours

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-17: DIESEL I.C. ENGINE FOR TUB GRINDER

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-30~~1~~3	Y		Ringelmann ~~1~~2.0 for 3 minutes in any hour	BAAQMD Condition #16830, Part 4	C	Observation for Visible Smoke
FP	BAAQMD Regulation 6-310	Y		0.15 gr/dscf	None	N	N/A
SO2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentrations: 0.5 ppm for 3 consecutive minutes, 0.25 ppm averaged over 60 consecutive minutes, 0.05 ppm averaged over 24 hours	None	N	N/A
SO2	BAAQMD Regulation 9-1-304 and BAAQMD Condition #16830, Part 2	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition #16830, Part 2, 3	P/M	Vendor Certification
Fuel Usage	BAAQMD Condition #16830, Part 1	Y		328 gallons per day	BAAQMD Condition #16830, Part 3	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S-18: Materials Recovery Operation – Debris Sorting System

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 for 3 minutes in any hour	BAAQMD Condition #18258 Part 2	C	Continuous Observation of Source in Operation
Opacity	BAAQMD Condition #18258 Part 1	Y		Ringelmann 1.0	BAAQMD Condition #18258 Part 2	C	Continuous Observation of Source in Operation
FP	BAAQMD Regulation 6-311	Y		$E = 0.026(P)^{0.67}$ where: E = Allowable Emission Rate (lb/hr); and P = Process Weight Rate (lb/hr) Maximum Allowable Emission Rate = 40 lb/hr for P >57,320 lb/hr	None	N	N/A

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S-19: Dirt Screen and A-19: Water Spray System

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 for 3 minutes in any hour	BAAQMD Condition #20515 Part 4	C	Continuous Observation of Source in Operation

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S-19: Dirt Screen and A-19: Water Spray System

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Condition #20515 Part 3	Y		Ringelmann 1.0	BAAQMD Condition #20515 Part 4	C	Continuous Observation of Source in Operation
FP	BAAQMD Regulation 6-311	Y		$E = 0.026(P)^{0.67}$ where: E = Allowable Emission Rate (lb/hr); and P = Process Weight Rate (lb/hr) Maximum Allowable Emission Rate = 40 lb/hr for P >57,320 lb/hr	None	N	N/A
Usage	BAAQMD Condition #20515 Part13	Y		Material Processing Limit: 107,000 tons per 12-month period	BAAQMD Condition #20515 Part 5	P/M	Records

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S-20: Diesel I.C. Engine for Dirt Screen

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-303	Y		Ringelmann 2.0 for 3 minutes in any hour	BAAQMD Condition #20516, Part 6	C	Observation for Visible Smoke
FP	BAAQMD Regulation 6-310	Y		0.15 gr/dscf	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S-20: DIESEL I.C. ENGINE FOR DIRT SCREEN

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD Condition #20516, Part 3	N		0.08 grams per brake-horsepower-hour	BAAQMD Condition #20516, Part 5	P/A	Annual Source Test
SO2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentrations: 0.5 ppm for 3 consecutive minutes, 0.25 ppm averaged over 60 consecutive minutes, 0.05 ppm averaged over 24 hours	None	N	N/A
SO2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition #20516, Part 4	P/E	Vendor Certification
	BAAQMD Condition #20516, Part 4	Y		Fuel Sulfur Limit 0.05%	BAAQMD Condition #20516, Part 4	P/E	Vendor Certification
NOx	BAAQMD Condition #20516, Part 2	Y		< 6.6 grams per brake-horsepower-hour, or < 419 ppm (@ 15% O_2, dry basis)	BAAQMD Condition #20516, Part 5	P/A	Annual Source Test
Usage	BAAQMD Condition #20516, Part 1	Y		8 hours per calendar day, 2,080 hours per consecutive 12-month period	BAAQMD Condition #20516, Part 7	P/D, M	Records

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate
BAAQMD 6-311	Process Weight Rate Based Emissions Limits	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or Calculate Emissions in Accordance with EPA AP-42 Procedures
BAAQMD 8-2-301	Miscellaneous Operations, POC (as Total Carbon)	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-34-301.2	Collection and Control System Leak Limitations	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.3	Limits for Flares	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD 8-34-301.4	Limits for Other Emission Control Systems	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD 8-34-303	Landfill Surface Requirements	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-305.1	Wellhead Gauge Pressure	APCO Approved Device
BAAQMD 8-34-305.2	Wellhead Temperature	APCO Approved Device
BAAQMD 8-34-305.3	Wellhead Nitrogen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-305.4	Wellhead Oxygen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-34-412	Compliance Demonstration Test	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
~~SIP 8-34-301.1~~	~~Collection and Control Systems Leak Limitations~~	~~EPA Reference Method 21, Determination of Volatile Organic Compound Leaks~~
~~SIP 8-34-301.3~~ [1]	~~Energy Recovery Device or Emission Control System Limit~~	~~Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A~~
~~SIP 8-34-303~~		~~EPA Reference Method 21, Determination of Volatile Organic Compound Leaks~~
BAAQMD 8-40-116.2	Organic Content Limit for Small Volume Exemption	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B
BAAQMD 8-40-301	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21
SIP 8-40-301 [1]	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and EPA Reference Methods 8010 or 8015
BAAQMD 9-1-301	Limitations on Ground Level Concentrations (SO_2)	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-1-302	General Emission Limitation (SO_2)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides, Integrated Sample
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
40 CFR 60.8	Performance Tests	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60.752 (b)(2)(iii)(B)	NMOC Outlet Concentration and Destruction Efficiency Limits	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
40 CFR 60.753(b)	Wellhead Pressure	APCO Approved Device
40 CFR 60.753(c)	Temperature, N_2, and O_2 concentration in wellhead gas	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
40 CFR 60.753(d)	Methane Limit at Landfill Surface	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD Condition #6188, Part 8	Flare Combustion Temperature Limit	APCO Approved Device
BAAQMD Condition #6188, Part 9	Flare NOx Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #6188, Part 10	Flare CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #6188, Part 13	Flare NMOC Limits	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD Condition #6188, Part ~~8~~17	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition #6188, Part ~~10~~19	Total Carbon Emission Limit for Use or Disposal of Soil Containing VOCs	VOC Content as determined by EPA Reference Methods 8015B, 8021B (or any method determined to be equivalent by the US EPA and approved by the APCO) and converted to Total Carbon as defined in BAAQMD Regulation 8-2-202. Total Carbon Emissions determined by APCO approved equation described in BAAQMD Condition #6188, Part ~~12~~19.c.

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition #6188, Part ~~11~~20	Acceptance Criteria for VOC Contaminated Soil	EPA Reference Methods 8015B, 8021B, or any method determined to be equivalent by the US EPA and approved by the APCO
BAAQMD Condition #6385, Part 4	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition #8626, Part 4	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition #12063, Part 4	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition #16830, Part 2	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD Condition #20515, Part 3	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition #20516, Part 2	IC Engine NOx Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #20516, Part 3	IC Engine PM Limit	Manual of Procedures, Volume IV, ST-15, Particulate
BAAQMD Condition #20516, Part 4	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IX. PERMIT SHIELD

Not Applicable

X. GLOSSARY

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEQA
California Environmental Quality Act

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA

X. Glossary

including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

Major Facility
A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP
The District's Manual of Procedures.

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

X. Glossary

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

X. Glossary

SO2
Sulfur dioxide

THC
Total Hydrocarbons (NMHC + Methane)

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TPH
Total Petroleum Hydrocarbons

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

XI. APPLICABLE STATE IMPLEMENTATION PLAN

~~See Attachments~~

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1